

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/576,792
Source: IFWP
Date Processed by STIC: 5-5-06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number:

10/576,792

CRF Edit Date:

5-5-06

Edited by:

RL

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ☒ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWP

RAW SEQUENCE LISTING

DATE: 05/05/2006

PATENT APPLICATION: US/10/576,792

TIME: 14:58:14

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05052006\J576792.raw

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3 <110> APPLICANT: Bayer HealthCare AG
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with G
Protein-
6      Coupled Receptor 85 (GPR85)
8 <130> FILE REFERENCE: BHC 03 01 056
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,792
C--> 10 <141> CURRENT FILING DATE: 2006-04-21
10 <160> NUMBER OF SEQ ID NOS: 5
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 3685
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1
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22 ttacattggg aattaatgaa agcgtgtctg ctagttttgg gtaggagaaac tgggaagtgt      180
23 ttgcttaaaa ttttataatca cctccacaaa caaaactctt cggaaatggg aaaataagaa      240
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25 tatcatccga ccgtttggac tggttagggc ttactgagag ctccatttct ggaaagcctt      360
26 acaagactga ggaatatcag actgcgaatc accgggaacg gttcctttgc agcacagaag      420
27 caatctctct ccccatcttc gcatattctg atggcaaaac aagtgggaaga aaagaggaag      480
28 catgactgca gatcagatca gttctctttg tggattatat tttcagtaaa atgtatggat      540
29 ctatcttttc cttgttctta tatctagatc atgagacttg actgaggctg tatccttata      600
30 ctccatccat ctatggcgaa ctatagccat gcagctgaca acattttgca aaatctctcg      660
31 cctctaacag cctttctgaa actgacttcc ttgggtttca taataggagt cagcgtgggt      720
32 ggcaacctcc tgatctccat tttgctagtg aaagataaga ccttgcatag agcaccttac      780
33 tacttctctg tggatctttg ctgttcagat atcctcagat ctgcaatttg tttcccattt      840
34 gtgttcaact ctgtcaaaaa tggctctacc tggacttatg ggactctgac ttgcaaagtg      900
35 attgcctttc tgggggtttt gtctgtttc cacactgctt tcatgctctt ctgcatcagt      960
36 gtcaccagat acttagctat cgcccatcac cgcttctata caaagaggct gaccttttgg      1020
37 acgtgtctgg ctgtgatctg tatggtgtgg actctgtctg tggccatggc atttcccccg      1080
38 gtttttagacg tgggcactta ctcatcatt agggaggaag atcaatgcac cttccaacac      1140
39 cgctccttca gggctaata ttccttagga tttatgctgc ttcttgctct catcctccta      1200
40 gccacacagc ttgtctacct caagctgata ttttctgtcc acgatcgaag aaaaatgaag      1260
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42 ggccaggcag ctgccaattg gctagcagga tttggaaggg gtcccacacc acccaccttg      1380
43 ctgggcatca ggcaaaatgc aaacaccaca ggcagaagaa ggctatttgt cttagacgag      1440
44 ttcaaaatgg agaaaagaat cagcagaatg ttctatataa tgacttttct gtttctaacc      1500
45 ttgtggggcc cctacctggg ggctgttat tggagagttt ttgcaagagg gcctgtagta      1560
46 ccagggggat ttctaacagc tgctgtctgg atgagttttg cccaagcagg aatcaatcct      1620
47 tttgtctgca ttttctcaaa cagggagctg aggcgtgtt tcagcacaac ccttctttac      1680
48 tgcagaaaat ccaggttacc aagggaacct tactgtgtta tatgaggagg catctgtaaa      1740
49 tctttagcct tgtgaaaact aaccttctct gctgagcaat tgtggcccat agccatattt      1800

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Input Set : A:\PTO.KD.txt

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50 tgagaagaaa ttcaagaatg gaatcagcag ttttaaggat ttgggcaaca ttctgcagtc 1860
51 tttgcaatag ttcacctata atcctatattt aaatctcaga gtgatcctgc tgactgccag 1920
52 caaaggtttg taattaagaa gggactgaac cactgcccta agtttcttta tgtgggtcaaa 1980
53 aactagataa tgaaagtagc aggtgctaag tatcagtgtc aaatgctctg tatgtcacta 2040
54 catatgaaaa aacatcaaaa aacaattagc attggacatc ttaataaatt aagttgacat 2100
55 gaggtaaatg tgttgataaa aactaatttt agaagtttga agactttaaa acatttcata 2160
56 ctactattgt tttgcaaaga ctaaaatatt tggggactta aagtactgta atccactaaa 2220
57 gacgtgccaa tgaattattg gaatatcaca ctttaaaaac cgccttgtaa gttctgggga 2280
58 gcattccaaa gcagtatatg ggttccaatt agagtttact tttttgtat taatacattg 2340
59 ctatttctaa ataccacttt cctcatctac tagtaagatt gctagcattg aactgtatta 2400
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61 gatattgggtc tgggaggcaa cattaatggg accagcctgt cacaactgag cagttctaata 2520
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64 gtgcatggaa gatcatttat tactttttcc tttttttctc acatggtttg aaacttaaag 2700
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66 taagaagcag gcagttgatg tatgtttata ttttaagtca gctgtcaagg ggagaccaca 2820
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70 ctttaagata cagatgtgtg aacttcaata taaagttgca tttgccaaaa tttaccctgtg 3060
71 tagcctgtta attttcttga aataagtttt acatttttgg cacataacaa cgtttttttt 3120
72 aatttgggag gcaagcacia actaggaaga ctagctttat tatggttttg ctttttgatt 3180
73 cttgtagcta ctatattcca gactggaaat gtatgaatga taatcaacat aatgctgata 3240
74 aactgacata atattatctg taaaagcatt atttggtagt ttattataat catccctcta 3300
75 ttattcttaa atgccagtag tatttagaga tgtgtacctg cttagttaat tggctcagaa 3360
76 ttttaataata aacatcacac ttttaatttg agcatagtag catagaaatt tgggggttcta 3420
77 aatatacaac ttgtaagaag aatggtttac actaacatta tgacaaaact agaaaaagtt 3480
78 attatttttg tttgctttct gttgttttgt ttattggttg gtttttgtga agtttatatt 3540
79 ttttttggtg tttgataatt aagatttagga atctaataac acagaattcc atattgctat 3600
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83 <210> SEQ ID NO: 2

84 <211> LENGTH: 370

85 <212> TYPE: PRT

86 <213> ORGANISM: Homo sapiens

88 <400> SEQUENCE: 2

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90 1 5 10 15
91 Pro Leu Thr Ala Phe Leu Lys Leu Thr Ser Leu Gly Phe Ile Ile Gly
92 20 25 30
93 Val Ser Val Val Gly Asn Leu Leu Ile Ser Ile Leu Leu Val Lys Asp
94 35 40 45
95 Lys Thr Leu His Arg Ala Pro Tyr Tyr Phe Leu Leu Asp Leu Cys Cys
96 50 55 60
97 Ser Asp Ile Leu Arg Ser Ala Ile Cys Phe Pro Phe Val Phe Asn Ser
98 65 70 75 80
99 Val Lys Asn Gly Ser Thr Trp Thr Tyr Gly Thr Leu Thr Cys Lys Val
100 85 90 95

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PATENT APPLICATION: US/10/576,792

DATE: 05/05/2006

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Input Set : A:\PTO.KD.txt

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101 Ile Ala Phe Leu Gly Val Leu Ser Cys Phe His Thr Ala Phe Met Leu
102           100           105           110
103 Phe Cys Ile Ser Val Thr Arg Tyr Leu Ala Ile Ala His His Arg Phe
104           115           120           125
105 Tyr Thr Lys Arg Leu Thr Phe Trp Thr Cys Leu Ala Val Ile Cys Met
106           130           135           140
107 Val Trp Thr Leu Ser Val Ala Met Ala Phe Pro Pro Val Leu Asp Val
108 145           150           155           160
109 Gly Thr Tyr Ser Phe Ile Arg Glu Glu Asp Gln Cys Thr Phe Gln His
110           165           170           175
111 Arg Ser Phe Arg Ala Asn Asp Ser Leu Gly Phe Met Leu Leu Leu Ala
112           180           185           190
113 Leu Ile Leu Leu Ala Thr Gln Leu Val Tyr Leu Lys Leu Ile Phe Phe
114           195           200           205
115 Val His Asp Arg Arg Lys Met Lys Pro Val Gln Phe Val Ala Ala Val
116           210           215           220
117 Ser Gln Asn Trp Thr Phe His Gly Pro Gly Ala Ser Gly Gln Ala Ala
118 225           230           235           240
119 Ala Asn Trp Leu Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Thr Leu
120           245           250           255
121 Leu Gly Ile Arg Gln Asn Ala Asn Thr Thr Gly Arg Arg Arg Leu Leu
122           260           265           270
123 Val Leu Asp Glu Phe Lys Met Glu Lys Arg Ile Ser Arg Met Phe Tyr
124           275           280           285
125 Ile Met Thr Phe Leu Phe Leu Thr Leu Trp Gly Pro Tyr Leu Val Ala
126           290           295           300
127 Cys Tyr Trp Arg Val Phe Ala Arg Gly Pro Val Val Pro Gly Gly Phe
128 305           310           315           320
129 Leu Thr Ala Ala Val Trp Met Ser Phe Ala Gln Ala Gly Ile Asn Pro
130           325           330           335
131 Phe Val Cys Ile Phe Ser Asn Arg Glu Leu Arg Arg Cys Phe Ser Thr
132           340           345           350
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134           355           360           365
135 Val Ile
136           370
138 <210> SEQ ID NO: 3
139 <211> LENGTH: 20
140 <212> TYPE: DNA
141 <213> ORGANISM: artificial sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: forward primer
146 <400> SEQUENCE: 3
147 ttgcaagag ggcctgtagt
149 <210> SEQ ID NO: 4
150 <211> LENGTH: 19
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:

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20

RAW SEQUENCE LISTING

DATE: 05/05/2006

PATENT APPLICATION: US/10/576,792

TIME: 14:58:14

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05052006\J576792.raw

155 <223> OTHER INFORMATION: reverse primer

157 <400> SEQUENCE: 4

158 tgggcaaaac tcatccaga

19

160 <210> SEQ ID NO: 5

161 <211> LENGTH: 25

162 <212> TYPE: DNA

163 <213> ORGANISM: artificial sequence

165 <220> FEATURE:

166 <223> OTHER INFORMATION: probe

168 <400> SEQUENCE: 5

169 ccaggggggat ttctaacagc tgctg

25

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/576,792

DATE: 05/05/2006

TIME: 14:58:15

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05052006\J576792.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

DATE: 05/03/2006

PATENT APPLICATION: US/10/576,792

TIME: 11:26:14

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05032006\J576792.raw

3 <110> APPLICANT: Bayer HealthCare AG
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with G
 Protein-
 6 Coupled Receptor 85 (GPR85)
 8 <130> FILE REFERENCE: BHC 03 01 056
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,792
 C--> 10 <141> CURRENT FILING DATE: 2006-04-21
 10 <160> NUMBER OF SEQ ID NOS: 5
 12 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

160 <210> SEQ ID NO: 5
 161 <211> LENGTH: 25
 162 <212> TYPE: DNA
 163 <213> ORGANISM: artificial sequence
 165 <220> FEATURE:
 166 <223> OTHER INFORMATION: probe
 168 <400> SEQUENCE: 5
 169 ccaggggggat ttctaacagc tqctg
 E--> 172 BHC 03 1 056-Foreign Countries
 W--> 174 - 4 -

Does Not Comply
 Corrected Diskette Needed

(PG.1)

25

deleted

VERIFICATION SUMMARY

DATE: 05/03/2006

PATENT APPLICATION: US/10/576,792

TIME: 11:26:15

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05032006\J576792.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:172 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5
L:174 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5